

Bristol City Docks Waste Management Plan 2021



The Plan(s) is/ are approved in accordance with the SI 2003 No. 1809- The Merchant Shipping and Fishing Vessels (Port Waste Reception Facilities) Regulations 2003 as ammended.

12/10/2021



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1. Introduction

- 1.1 This is a revision of the 2004 Waste Management Plan, in compliance with the Marine Guidance Notice (MGN 253)- Port Waste Reception Facilities Regulations 2003 and the Merchant Shipping and Fishing Vessels (Port Waste Reception Facilities) 2003 (Si 1809). This legislation has been introduced to prevent dumping of vessel waste at sea by ensuring there are adequate waste reception facilities in harbours and landing places.

The Harbour Master is responsible for implementing the Port Waste Plan.

- 1.2 This Plan has been reviewed through a process of consultation, undertaken to establish the needs of harbour users. This information was then analysed to identify the types and quantities of waste being produced, the costs involved and any requirements that were not being met.
- 1.3 In addition to vessel waste facilities the authority also provides quayside litterbins and estate cleansing operatives to ensure the quayside is kept clean. This helps prevent windblown litter entering the harbour waters. A harbour litter/flotsam collection system utilising a dedicated workboat, is carried out at least twice a week and clears approx. 600 tonnes of flotsam from the harbour per year.

1.4

Vessel owners can find details of waste facilities on the link below.

[Waste reception and disposal - bristol.gov.uk](http://bristol.gov.uk/waste-reception-and-disposal)

The Bristol City Docks Waste Reception Form (Appendix II) is passed to Masters/Ships Agents with the Port Waste Notification Form (Appendix V) prior to a ships arrival.

The Port Waste Plan is also available online on the link above.

2. Background Information

- 2.1 Bristol City Docks is a statutory harbour operated by Bristol City Council. The jurisdiction of the authority encompasses the River Avon and Hanham Lock to Netham Lock and the Floating Harbour, which is formed by the impounding of the River Avon between Netham inland lock at its eastern end and Cumberland Tidal Lock at its western end.



- 2.2 The harbour ceased to be operated as a commercial port in the 1970's. It is now predominantly used as a leisure harbour.
- 2.3 There are approximately 3000 metres of quayside and linear berthing. There is a pontoon berthing for approximately 300 small vessels.
- 2.4 Currently, 650 small recreational vessels are berthed in the harbour including 80 berthed in an independently operated marina.
- 2.5 The sea lock entry records show that an average of 1100 small pleasure craft entries, as well as numerous visits by the MV Balmoral and up to 10 Royal Navy visits Annually.
- 2.6 An average of 1500 port entries are made per year from the inland waterway by small pleasure craft.

3. Consultation methods

- 3.1 Questionnaires set to gauge user satisfaction are sent out with annual mooring renewals to individual City Docks Licence holders. These relate to the services provided by the authority including waste facilities. As well as individuals' respondents include the following groups.

- * The Port of Bristol Sailing Club
- * The Bristol Cruising Club
- * The Cabot Cruising Club
- * Portishead Cruising Club
- * Port Avon Marine Cruising Club
- * Baltic Wharf Sailing Club
- * Baltic Wharf Sailing School
- * Scout Association
- * Guides Association

4. Analysis of information

To make an analysis of the type, capacity and location of waste reception facilities required, the following information sources were used.

1. The Cumberland and Netham Lock entry records for 2015-15
2. The records of short-term visitors' licences issued during 2014-15
3. Records of licences issued for long term berthing in the harbour 2014-15
4. The comments received from harbour users as part of the consultation process
5. The Harbour Authorities knowledge of the use of existing water reception facilities within the harbour.

From this information it has been possible to calculate that:

- 99% of the vessels using the harbour are small vessels of less than 24 metres LOA.

- 1 % of the vessels using the harbour are large vessels of 24 metres to 82 metres LOA.
- The average total amount of garbage waste received from a small vessel during a two- day visit to the harbour is 6kg.
- Large Royal Navy vessels require up to 1280kg capacity garbage disposal containers on arrival and further 1280kg container every two days stay.
- Approximately 4000 litres of waste oil per year, is collected in the waste oil receptacle in the harbour.
- 1 large vessel - the "MV Balmoral" uses specialist outside contractors to dispose of approximately 4500 litres of oily waste per year.
- Approximately 650 sewerage holding tank pup-outs operations were carried out per year: average tank capacity 180 litres. Most of these were from inland waterway vessels.
- Large vessels do not generally need sewerage waste disposal services during their visits. When required, outside contractors are sourced.
- A significant amount of garbage is deposited in the disposal facilities is generated by long term berth holders, including residential berths, whose vessels remain permanently in the harbour.

5. Type, capacity and location of waste disposal facilities.

(See Appendix II, **Sample Format** of form used to inform incoming vessels of Waste Reception Facilities.).

To meet the harbour users requirements the following garbage waste reception facilities are available

5.1 Garbage waste

(See Appendix IV, Plan of Harbour Facilities)

1. 15 X 450 kg wheelie bins are provided for general use for all vessel owners. These are emptied once a week or more if required.
2. 1270 kg sillage skips are provided at the berth for larger naval and seagoing passenger vessels. These are emptied as required.
3. For International Catering Waste, see 5.8 below.

5.2 Sewerage waste

(See Appendix I, Plan of Harbour Facilities)

1. 4 X Fixed pumpout stations connected to the main sewer is provided at Wapping The Grove, the New Inlet and Temple Backs along with at the independently run Marina.
2. Two Elsan disposal points connected to the main sewer are available for vessels with Porta Potty type installations.
3. Local specialist waste contractors with road tankers are available for larger vessels.

5.3 Waste Oil

(See Appendix I, Plan of Harbour Facilities)

1. Two large bunded waste oil storage tanks are provided at Underfall Yard and Bristol Marina to dispose of small quantities of waste oil. The contents of the tanks are collected approximately every 26 weeks.
2. Local specialist contractors using bulk road tankers are available to collect large quantities directly from vessels. These arrangements can be made through the harbour authority if required (See section 7. Waste Notification Procedure, page 6).

5.4 Oily contaminated waste

1. This can be disposed of at the Underfall Yard in a specialist waste container. This facility is for small craft waste only (See Appendix I, Plan of Harbour Facilities)

5.5 Oily bilge water

1. For small vessels, oily Bilge water (up to 50 litres) is disposed of in the same tank as waste oil, at Underfall Yard.

2. Local specialist contractors using bulk road tankers are available to collect large. Current charge is –

Tanker Transport - £450.00 (Includes 1st hour on site)

Disposal Charge – Less than 5% Oil/Salt Water £140.00 per tonne (min 5 tonne charge), Estimated costs if above the 5% is £260.00 per tonne (min 5 tonne charge), waste would be analysed and true cost given

EA Note - £60

Demurrage Charge - £130.00 per hour or part (If Tanker needs to be on site longer than 1st hour)

(See Appendix III, list of contractors)

5.6 Used batteries

Old batteries can be disposed of at collecting point's situated at Bristol Marina and Underfall Yard. Safety Kleen collects these for recycling. (See Appendix I, Plan of Harbour Facilities)

5.7 Specialist and hazardous waste

Local specialist licenced waste disposal contractors are available and listed online. Vessel owners and agents can contact these directly or the Harbour Authority will make the appropriate arrangement on their behalf. (See section 7, Waste Notification Procedure, page 7)

5.8 International Catering Waste (ICW)

ICW may be a Biohazard to the UK due to the possibility of Invasive species being



Contained within. Any vessel carrying ICW into Bristol Docks must notify the Harbour Authority. Commercial vessels must do so using the Port Waste Management form. Small vessels are asked at point of contact when arranging a visit.

A leak proof dedicated storage bin is available on site for the disposal of ICW and is disposed of correctly by specialist contractors within 24 hours of ICW being deposited.

(See Appendix III, list of contractors)

5.9 Boating events

Throughout the year various organisations hold boating events within the harbour under licence issued by the authority. A condition of the licence is that adequate garbage waste disposal facilities are provided for visiting vessels.

- 5.10 Collection documents from contractors removing the waste are retained by the Principle Engineer and kept for 3 years

6. Charges for waste reception facilities

6.1 Garbage

The cost of the disposal of garbage (including ICW) is recovered indirectly through harbour dues. Vessels that are exempt from harbour dues may make their own arrangement with waste contractors or through the Harbour Authority and will be subject to a charge.

Sullage skips price has increased to £300 and supplied by Bristol Waste.

6.2 Sewerage

The costs for disposal of sewerage waste at the Harbour Authority waste disposal points are recovered via a self-service electric token at £10.15 per operation.

Large vessels and vessels exempt from harbour dues, wishing to dispose of bulk waste may make their own arrangement or arrangements can be made through the harbour authority. There is a direct proportional charge for this service.

6.3 Waste Oil

There is currently no direct charge for the disposal of waste oil at the facilities at Underfall Yard; all costs are recovered through harbour dues. Waste oil collection has risen to £350 per 1000 litres and an increased direct proportional charge is passed to the user.

Large vessels and vessels exempt from dues wishing to dispose of large quantities of waste oil can make arrangements through the Harbour Authority for a bulk collection



by our approved contractor. There is a direct proportional charge for this facility. A Bunkering form must be completed.

6.4 Oily bilge water

There is no charge for the disposal of oily bilge water up to 50 litres. A charge of £5 is made for every 50 litres thereafter.

Vessel owners wishing to dispose of large quantities of oily bilge water may make arrangements through the Harbour Authority for a bulk collection by our approved contractor. There is a direct proportional charge for this facility. A Bunkering form must be completed.

6.5 Used batteries

There is no current charge for the disposal of lead/acid batteries at Bristol Marina or the Underfall Yard.

7. Waste notification procedure for commercial shipping

All masters of vessels, except fishing vessels and recreational craft designed or certified to carry no more than 12 passengers, must notify the Harbour Master through completion of the Port Waste Management form (see Appendix V) of the type and quantity of waste to be discharged at the harbour.

This requirement is communicated through the Ships Agent or directly to the Master of the ship at the point of arranging a berth. This notification must be received at least 24 hours prior to the arrival and must include the estimated amount whilst generated whilst in the harbour.

The information received from notification will be kept for six months, and will be used to assist in estimating future waste management requirements.

If the vessel is not to discharge waste at the harbour, the master of the vessel must still complete the Port Waste Management form detailing the amount of waste on board, the storage capacity and the name of the next destination port. This information will be sent to the local MCA office.

8. Reporting of Inadequate Facilities

Under the 2003 Regulations as amended, ports must provide adequate reception facilities to receive the types and quantities of waste from ships normally using the harbour.

If the Master of a UK flagged vessel feels that there is a lack of reception facilities, they should bring the alleged inadequacy to the attention of the Harbour Authority



immediately. If the problem is not resolved at the time to the master's satisfaction then the form at Appendix IV should be completed by the Master, ship-owner or agent and emailed to the MCA at the following address:

**PWR Inadequacies,
Clean Ship Operations Team,
Maritime and Coastguard Agency,
Spring Place,
105 Commercial Road,
Southampton, SO15 1EG.
E-mail: environment@mcga.gov.uk**

Leisure users may complain about inadequate facilities directly to the Harbour Authority and if not satisfied with the response, by way of Bristol City Councils Complaints and Feed Back web page www.bristol.gov.uk/complaints-and-feedback.

9. Ship Non-Compliance

In the event of non-compliance regarding waste notification by a ships Master or Agent, the harbour authority will notify the MCA on the contact below.

**Maritime and Coastguard Agency,
Cardiff Marine Office,
Anchor Court,
Keen Road,
CF24 5JW**

**Phone Number: 0203 9085220
Email: cardiffmo@mcga.gov.uk**



10. Information sources

- 10.1 Information for boaters is available online via the Bristol City Council web site [Waste reception and disposal - bristol.gov.uk](https://www.bristol.gov.uk/waste-reception-and-disposal)
- 10.2 Noticeboards.
There are three public notice boards containing larger scale plans of the harbour and the facilities available. These are located at the Baltic Wharf Leisure Centre, the Cumberland Lock and Netham Lock.
- 10.3 Bristol Harbour User Group Meetings
A consultative group made up of representatives of the main users of the harbour meet 4 times a year. These meetings are a forum to exchange ideas to improve the harbour facilities and to inform the users of any changes made or that will occur in the future.

11. Review of the Port Waste Management Plan

- 11.1 It was anticipated that as a result of the development of the water recreational facilities in the Bristol Channel and Severn Estuary there would be a steady increase in the number of vessels visiting Bristol Harbour from seaward. Our docking records show that this has been the case especially from ports on the south coast of Wales, although the majority of visiting vessels still come from the inland waterways.
- 11.2 Refuse bin requirement is continually monitored on a day-to-day basis by patrols reporting back on bin sites across the estate and direct feedback from users. Undersupply of refuse bins is quickly rectified through contact with suppliers.
- 11.3 The current plan will be formally reviewed in August 2024. However, should any modifications or deficiencies become apparent before this time, additional facilities will be provided to remedy them. The Maritime and Coastguard Agency will be notified of all modifications to this plan.



APPENDIX I

Welcome to Bristol Harbour

- KEY**
- Water Tap
 - Electricity Point
 - Toilet Block
 - Showers
 - Elsan Disposal
 - Refuse Disposal
 - Pump Out
 - Licensing Office
 - Slipway
 - Boat Hoist
 - Ferry Landing
 - Cross Harbour Ferry
 - Recycling Facilities
 - Ladder
 - Foul Ground
 - Fishing
 - Visitors Moorings



APPENDIX II

Sample Format of form used to inform incoming vessels of Waste Reception Facilities.

Bristol City Docks Waste Reception

Please see below list of waste facility services in Bristol.

The Harbour Authority must be properly notified of all waste requiring disposal in order to provide an adequate service

If Waste needs to be landed that is not on the waste reception list below, local contractors will be contacted to facilitate disposal.

Complete the accompanying Port Waste Notification form and return it to harbour.office@bristol.gov.uk at least 24 hours before your arrival

Type of Waste	Type & Size of facility	Method of use (where applicable)	Is notice required (if no/yes. hrs)	Frequency of emptying	Annual Capacity	Cost of Use (if applicable)
Mixed Garbage	15 X 450kg wheelie bins	General use by all vessels	No	Weekly	327600kg	Nil direct charge
	1280kg Sullage Skips	For specific vessels	24 hours	As required	15240kg	Nil direct charge
International Catering Waste	1x 450 k Wheelie bin. Sealed skip as appropriate	For use of vessels declaring intention of disposing of ICW	24 hours	Emptied within 24 hours		Nil
Waste Oil	1 X 3000 litre tank	Small quantity in containers	No	6 monthly	4000litres	Nil
	Bulk road tankers	Collected from vessel by outside contractor	48 hours	As required	4500 litres	Outside contractor charges
Oily Waste		Old oil filters, rags etc.	None	As required	No data	Nil
Oily bilge water	Bulk road tanker as required	Pumped from vessel by outside contractor	48 hours	As required	N/A	Free for first 50 litres then £5 per 50 litres thereafter. Outside contractor charges



Raw Sewerage (pumped out)	4 x Electrical suction pumps 1" hose connection	£10.15 token for operation	No	N/A	N/A	For bulk £10.15 token per self-operated facility
Type of Waste	Type & Size of facility	Method of use (where applicable)	Is notice required (if no/yes. hrs)	Frequency of emptying	Annual Capacity	Cost of Use (if applicable)
Raw sewerage Porta Potti	2 X Elsan disposal points	Connected directly to main sewer	No	N/A	N/A	Nil
Chemical & Noxious Liquid Substances	Local Specialist waste contractor, waste transporters	Collect from Vessel/quayside by contractor	72 hours	As required	N/A	Outside contractor charges
Used Lead Acid batteries	2 X Storage compound	Collected by Contractor	No	As required	N/A	Nil



APPENDIX III

Waste Disposal Contractors.

Contact List.

NAME/ADDRESS	DISPOSAL FACILITES	TELEPHONE/FAX
Bristol Waste Company Albert Road Bristol BS2 0XW	Emptying of Boater Facility Bins across docks estate International Catering waste	0117 304 9580
ETM Recycling	Skips	01179533654
Safety Kleen Unit 202/Longmead Rd, Bristol BS16 7FG	Florescent Tubes Waste Oil including bulk Oily Bilge Water including bulk Oily waste Batteries	0117 4509118



APPENDIX IV

REVISED CONSOLIDATED FORMAT FOR REPORTING ALLEGED INADEQUACY OF PORT RECEPTION FACILITIES

The Master of a UK flagged ship having encountered difficulties in discharging waste to reception facilities should forward the information below, together with any supporting documentation, to the Maritime and Coastguard Agency.

1. SHIPS PARTICULARS

1.1 Name of ship					
1.2 Owner or operator:					
1.3 Distinctive numbers or letters:					
1.4 IMO No ² :					
1.5 Gross tonnage:					
1.6 Port of registry:					
1.7 Flag state ³ :					
1.8 Type of ship (Yes/No)					
Oil tanker:		Chemical tanker:		Bulk carrier:	
Other cargo ship:		Passenger ship:		Other:	
If other, please specify:					

PORT PARTICULARS

2.1 Country:	
2.2 Name of Port or Area:	
2.3 Location/terminal Name (e.g. berth/terminal.jetty):	
2.4 Name of company operating the reception facility (if applicable)	



2.5 Type of port operation:			
Unloading Port:		Loading Port:	
Shipyard:		Other:	
If other, please specify:			

2.6 Date of Arrival: ____ / ____ / ____ (dd/mm/yyyy)

2.7 Date of Occurrence: ____ / ____ / ____ (dd/mm/yyyy)

2.8 Date of Departure: ____ / ____ / ____ (dd/mm/yyyy)

3. INADEQUACY OF FACILITIES

Type and amount of waste for which the port reception facility was inadequate and nature of problems encountered.

Type of waste	Amount for discharge (m ³)	Amount not accepted (m ³)	Problems encountered Indicate the problems encountered by using one or more of the following code letters, as appropriate: A No facility available B Undue delay C Use of facility technically not possible D Inconvenient location E Vessel had to shift berth involving delays/cost F Unreasonable charges for use of facilities G Other (please specify in paragraph 3.2)
MARPOL Annex I – related Type of oily waste:			
Oily bilge water			
Oily residues (sludge)			
Oily tank washings (slops)			
Dirty ballast water			
Scale and sludge from tank cleaning			
Other (please specify)			
MARPOL Annex II – related Category of NLS ¹ residue/water mixture for discharge to facility from tank washings:			
Category X substance			
Category Y substance			
Category Z substance			
MARPOL Annex IV – related Sewage			

¹ Indicate, in paragraph 3.2, the proper shipping name of the NLS involved and whether the substance is designated as “solidifying” or “high viscosity” as per MARPOL Annex II regulation paragraphs 15.1 and 17.1 respectively.

MARPOL Annex V – related Type of garbage:			
Plastic			
Floating dunnage, lining, or packing materials			
Ground paper products, rags, glass, metal, bottles, crockery, etc..			
Cargo residues, paper products, rags, glass, metal, bottles, crockery			
Food waste (domestic)			
Intonational catering food waste			
Incinerator, ash			
Other (please specify)			
MARPOL Annex VI – related			
Ozone-depleting substances and equipment containing such substances			
Exhaust gas-cleaning residues			

3.2 Additional information with regard to the problems identified in the above table:

3.3 Did you discuss these problems or report them to the port reception facility?

☐ Yes

☐ No

If Yes, with whom (please specify):

If Yes, what was the response of the port reception facility to your concerns?



3.4 Did you give prior notification (in accordance with relevant port requirements) about the vessel's requirements for reception facilities?

☐ Yes ☐ No ☐ Not applicable

If Yes, did you receive confirmation on the availability of reception facilities on arrival?

☐ Yes ☐ No

5. ADDITIONAL REMARKS/COMMENTS

Master's signature: Date:



APPENDIX V

PORT WASTE MANAGEMENT NOTIFICATION FORM

BRISTOL CITY DOCKS

THIS FORM IS TO BE COMPLETED UNLESS THE SHIP HAS BEEN GRANTED AN EXEMPTION
BY THE MARITIME
& COASTGUARD AGENCY

Ship Information;

Name of Ship..... IMO Number.....

Call Sign..... Flag State.....

ETA Date..... Time..... ETD Date..... Time.....

Number of Crew.....

Last Port of Call..... Next Port of Call.....

Last Port ship generated waste was delivered..... Date.....

HOW MUCH WASTE IS TO BE LANDED AT BRISTOL CITY DOCKS?

ALL · SOME · NONE ·

If delivering all waste, complete second column as appropriate.
If delivering some or no waste, complete all columns.

Waste Type	Amount of waste to be delivered (m3)	Maximum dedicated storage capacity (m3)	Amount of waste retained on board (m3)	Port where remaining waste will be delivered	Estimated waste to be generated before next port of call (m3)	Waste that has been delivered at the last port of call (m3)

WASTE OILS (Disposed by licensed waste contractor)



Sludge						
Bilge water						
Engine Oil						
Others (specify)						

FOOD AND GENERAL WASTE (Disposed by licensed waste contractor)

Food waste (domestic)						
International catering food waste						
Domestic wastes (e.g. paper products, rags, glass, metal, bottles, crockery, etc.)						
Cooking oil						
Plastic						
Other (specify)						

CARGO-ASSOCIATED WASTE (2) (Disposed by licensed waste contractor)

(specify)						
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CARGO RESIDUES (2) (Disposed by licensed waste contractor)

(specify)						
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(1) Sewage may be discharged at sea in accordance with regulation 11 of annex IV of Marpol 73/78

(2) May be estimates

1. This information may be used for Port State Control and other inspection purposes.
2. Member States will determine which bodies will receive copies of this notification.
3. This form is to be completed unless the ship is covered by an exemption in accordance with article 15 of MGN 563

STATEMENT.



I confirm that the above details are accurate and correct and there is sufficient dedicated onboard capacity to store all waste generated between notification and the next port at which waste will be delivered.

Name:

Position:

